

# FOLIO

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON, ALBERTA

NOVEMBER 30, 1972

## A living environment: the University's long range landscape development plan

The importance of the outdoor campus environment to the University community has been obvious every time plans have been revealed for a new building, only to be greeted with desperate cries of "save the grass." The campus has seen six years of very concentrated construction, with all the mud, hoardings, and inconvenience that make up the growing pains of an expanding university.

Part of the problem is that a lot of university has had to be compressed into a very small area. However, Diamond and Myers found in 1969 that only 15 percent of the campus was actually covered by buildings; most of the open space was neither grass nor trees, but rather streets, service roads, and surface parking. The Diamond-Myers long range development plan proposed to increase to 34 percent the surface area supporting buildings and also, by restricting the number of vehicles on campus and building multi-level parkades, to increase the proportion of usable outdoor space. How this space would be designed and for what uses were not a part of the plan.

Last spring the Board of Governors approved a long range landscape development plan which deals with all facets of the outdoor campus:

open space design, uses and varieties of plants, pedestrian and vehicular circulation, problems of climate, service areas, surface parking, and emergency routes. The landscape plan was devised by Hough Stansbury and Associates of Toronto after consultation with staff and students at the University.

The plan comprises the campus between Saskatchewan Drive and 87 Avenue, and from 110 Street to 116 Street, as well as the site around Lister Hall and the residences. A résumé of the plan's main features and some of its suggestions for improving the University's outdoor environment are presented below.

### OPEN SPACE SYSTEM

"The University of Alberta," the planners feel, "can no longer be considered in the traditional way: as a campus where buildings are set apart from each other by large expanses of lawn and trees. The long range development plan has set the pattern of a tightly woven system of connected buildings and spaces, arranged to perform useful functions and satisfy the diverse needs of the people who live and work there."

The landscape plan's purpose is to provide a framework for the development of open spaces

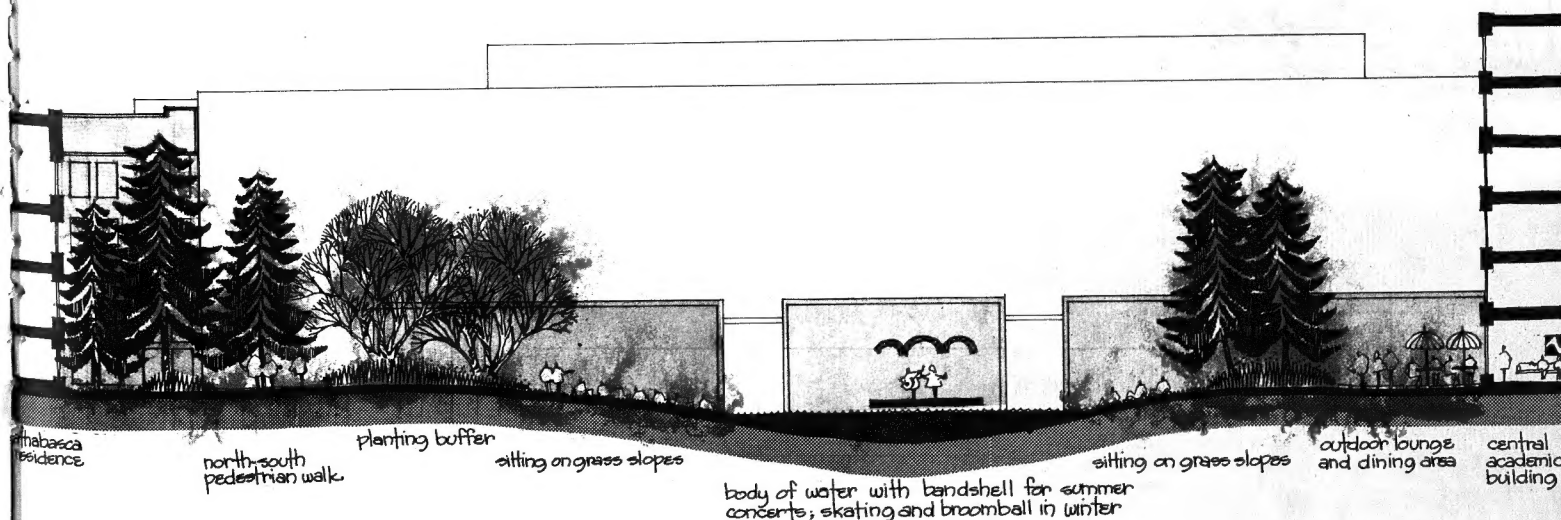
and rational guidelines for future planning and implementation.

Much of the open space existing in the developed campus is residual space, left over after buildings have been located, often with no particular purpose in mind and too shaded to support plants or too exposed to be useful even for casual seating.

The plan proposes that in the future, buildings and the spaces around them should be planned together, so that the spaces are created with a positive role in mind. Their design should respond to outdoor activities at the University at all times of the year, whether the activities are passive, active, or concerned with pedestrian or vehicle movement.

Because of the severity of the Edmonton climate, the planners consider it a "fundamental requirement" that open spaces should be

*Creating a landscaped pond in the central quad is one of the landscape plan's most novel proposals. The drawing (BELOW) shows the quad of the future, with pond, band shell, grassy places to sit, and an outdoor lounge-dining area next to the Central Academic Building.*



enclosed and sheltered by trees, buildings, or both.

Open spaces of all sizes should be interconnected to allow a continuous pedestrian movement through them. They should also make connections with the city's open space recreational resources, such as Emily Murphy Park and Mayfair Park, as links to the community at large.

Most important of all, perhaps, the outdoor campus should provide "a living environment, useful to the University community for teaching, learning, relaxation, and delight."

### INFORMAL SPACE

Although the central quad is used for a variety of student activities during limited periods of the year, the plan proposes that it be structured to stimulate several informal functions at all times of the year. In particular, a landscaped pond could be created which would add vitality to a space that is flat and bland. In the summer the pond area would be a pleasant place just to sit and enjoy; in the cold months it would become a place for skating and winter sports. A platform for band concerts in the warm weather would convert to a heated skate changing facility in winter.

Outdoor dining and informal eating areas should have direct access to lunch rooms, vending machine rooms, and cafeterias. Informal barbeque and picnic areas should occur throughout the campus, in the central

quad, the arts court, and the area south of Rutherford Library.

Several small quiet areas in sunny places off major circulation routes have been included in the plan, geared to individuals or small groups wanting seclusion, a place to sit away from noise and activity, or quiet study.

Open space should be developed on selected roof tops and in the spaces connecting buildings at the second floor level. These areas might be used for court games, roof gardens, and so on, particularly where high density building precludes significant space at grade level. There should be strong physical and visual links between open space at grade and upper levels.

Residual spaces left over from poorly planned buildings are not really adaptable to active use because of shade or problems of access. The plan suggests that these areas be replanted with trees and shrubs and left as casual space to be "discovered" by those seeking quiet and solitude. In time their function would be enhanced as teaching space for students and faculty interested in plant materials.

"Arrival areas" should be designed to give an initial orientation to the campus. They should provide information and directions, meeting places for people, places to wait for the bus, and shelter from the wind.

Setbacks and street corners associated with buildings should be developed as minor meeting places, parkettes, and display areas where the University and public interact.

### ACADEMIC SPACE

A number of faculties and departments have requested outdoor areas designed for teaching purposes. One such area would be the pond proposed for the central quad. This could lend itself to several different teaching functions.

Informal outdoor classrooms for summer teaching are planned for several locations throughout the campus, related to such buildings as Household Economics, the Education Centre, and the Humanities Centre.

An outdoor workshop, suitable also for concerts, outdoor teaching, and a meeting place, will be created between the Fine Arts Building and the Law Centre.

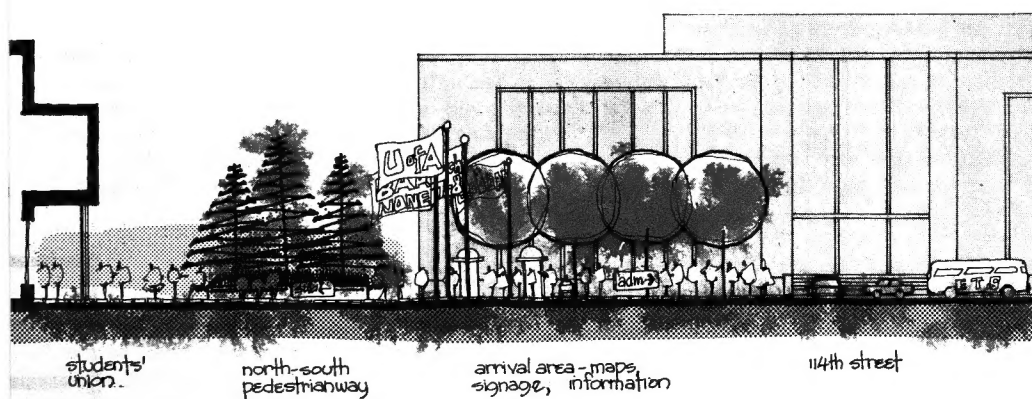
Kindergarten play space with access to indoor teaching areas will be located next to the Education Centre in a setback from 87 Avenue.

Informal areas for sculpture and exhibitions are planned for major gathering spaces and similar locations on campus.

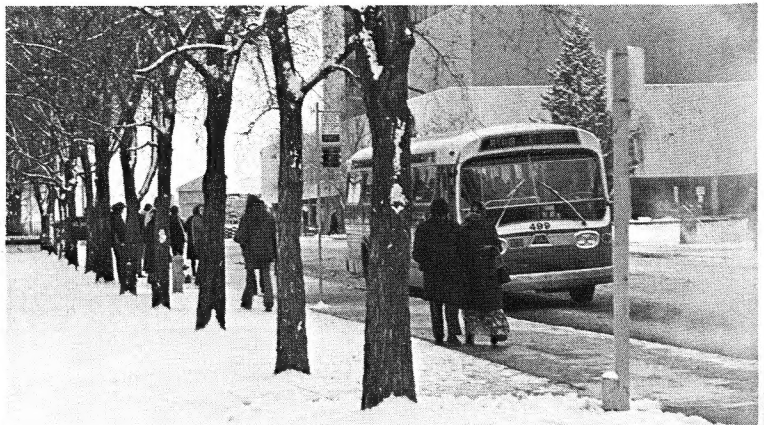
### RECREATION SPACE

The landscape plan recommends that existing track and field facilities should be maintained for formal activities and that additional facilities be provided in the North Garneau area, as recommended in the Diamond-Myers long range plan.

Nine small turfed areas are proposed for casual sports, usually close to residences and high use areas. Pedestrian circulation will by-pass these areas rather than cut through them.



*The area in front of the Administration Building and the Students' Union Building (LEFT) is seen as a lively gathering place, giving information and orientation to the central campus. It connects with two of the three main routes on which the plan's pedestrian system is based: residence walk, with its sheltered, park-like atmosphere (BELOW, LEFT); and the busy urban street along 89 Avenue (BELOW). Bus stops and drop-off areas already are located along this street, and sheltered areas linking with interior pedestrian streets are proposed for the future.*



Where it is feasible, roof tops are advocated for court games such as tennis. Tennis courts already exist on the roof of Windsor Car Park, and the extensive roof space over the Physical Education Centre might also be suitable for this kind of activity.

In winter the pond suggested for the central quad would become an attractive informal ice surface for skating, broomball, and similar winter activities. Flooding the proposed paved Arts Court would provide a second ice surface for casual winter sports. Another outdoor ice surface for more formal recreational activity could be created by flooding the track next to the Physical Education Centre.

### VISUAL SPACE

During the long winter, how the outdoors looks from inside cafeterias, lounges, walkways, and offices is probably more important than how it may be used.

Views out of buildings into spaces should be considered as winter landscapes, changing with the nature of the space, and providing identity with the outdoors as pedestrians move along an interior street.

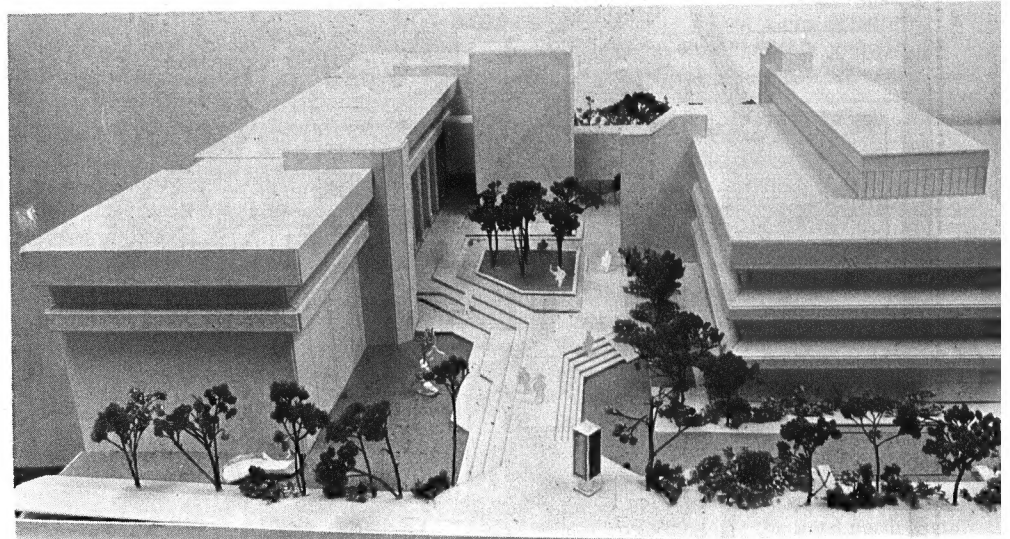
In small courts or constricted spaces, the use of color, supergraphics, sculpture, or elements that catch sunlight or snow can create visual life and excitement when there are no activities outside.

The use of water is important both summer and winter for visual and functional reasons. Fountains and water displays should be considered sculptural elements in the winter and should be allowed to freeze to create a variety of forms, color, and reflective surfaces.

Roof tops that cannot be used for any functional purpose should be considered visual space and treated as abstract art surfaces or roof gardens.

Views into buildings from outside also have potential in revealing the color and activity in indoor spaces. The plan suggests that future buildings use clear rather than tinted glass for this reason.

*Even temporary landscape development, such as the trees and shrubs planted this summer between the Students' Union Building and University Hall, provide relief from a bleak steel and concrete atmosphere. The courtyard between the Fine Arts Building and the Law Centre will be developed permanently next summer as shown in the model below. It will include an outdoor workshop suitable for concerts, lectures, exhibits, or a meeting place, with canopy trees as a foil to the two buildings.*



### PLANTING

Plants provide the living element that makes the brick and concrete bearable. To most people, planting and landscape are synonymous.

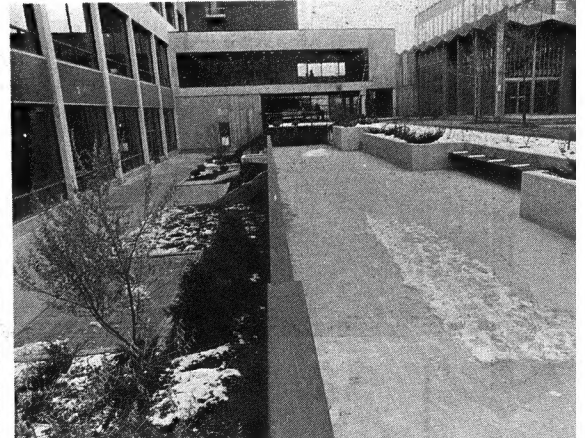
The landscape development plan describes three levels of planting for the campus and suggests a variety of uses for them. The major elements, deciduous and coniferous trees, provide structure and identity to major circulation routes, shelter belts, wind-free areas, and open and closed spaces. Smaller,

pedestrian-scale trees and shrubs provide color, texture, and variety in all seasons. Low ground covers, grass, and flowers, have impact only in the spring, summer, and early fall, when the snow is off the ground.

Creating green corridors is a primary principle of the landscape plan. These would occur at major entrances to the campus, along major pedestrian routes connecting the river valley to the campus, and along the campus periphery. One green corridor already in

*Three years ago the bulldozers came to demolish the old Hot Caf to make room for the Central Academic Building, and they demolished some handsome trees in the process. This fall, when a paved courtyard*





*was built between the Central Academic Building and Cameron Library, very near where Hot Caf stood, new trees were planted in all shapes and sizes to provide a little life in an outdoor space that just happened.*

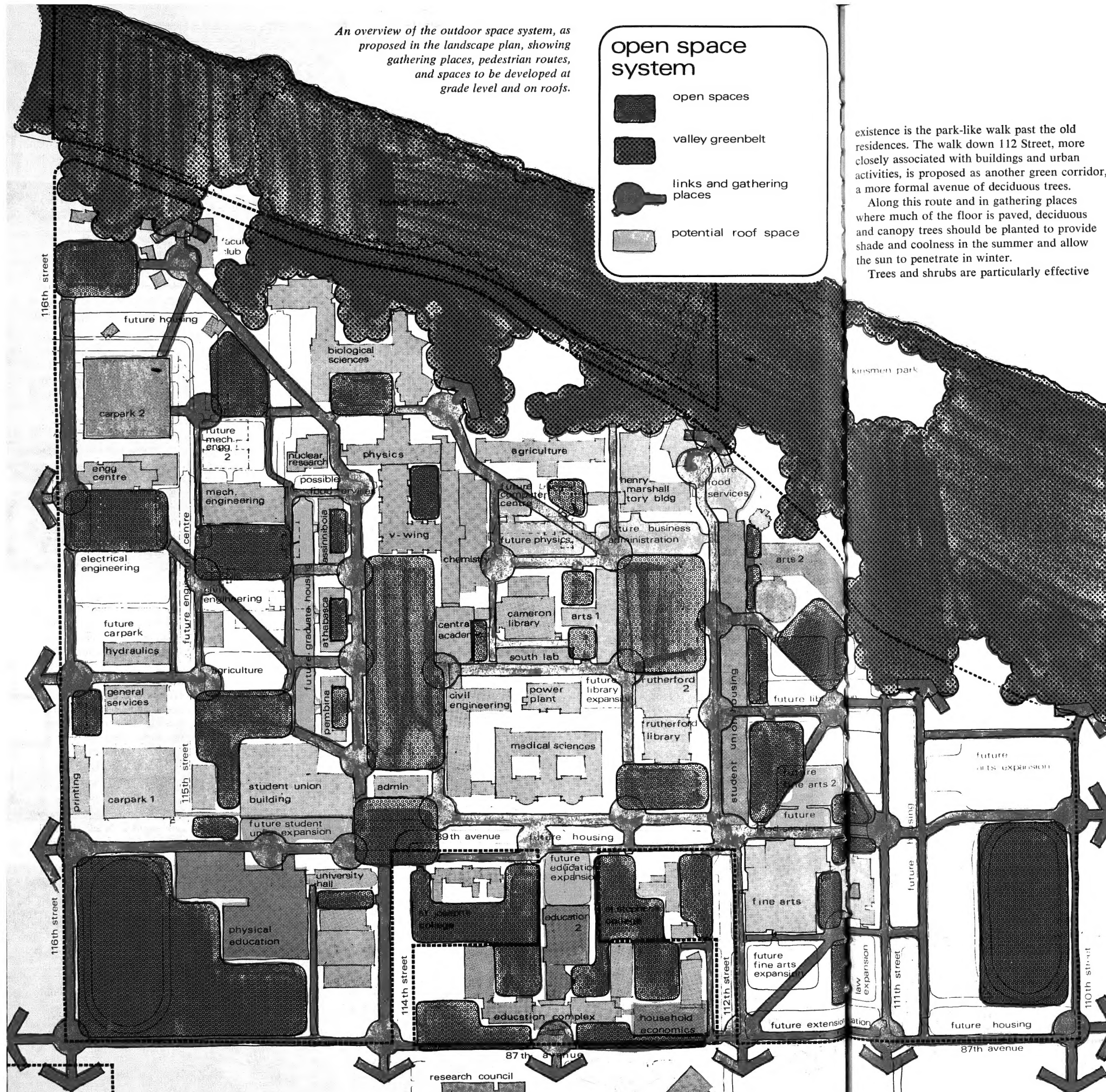




An overview of the outdoor space system, as proposed in the landscape plan, showing gathering places, pedestrian routes, and spaces to be developed at grade level and on roofs.

## open space system

-  open spaces
-  valley greenbelt
-  links and gathering places
-  potential roof space



existence is the park-like walk past the old residences. The walk down 112 Street, more closely associated with buildings and urban activities, is proposed as another green corridor, a more formal avenue of deciduous trees.

Along this route and in gathering places where much of the floor is paved, deciduous and canopy trees should be planted to provide shade and coolness in the summer and allow the sun to penetrate in winter.

Trees and shrubs are particularly effective

in separating open spaces used for sports, eating, teaching, and other activities from pedestrian traffic. Plants in outdoor extensions to indoor cafeterias or lounges create a protected environment in the spring and summer and provide interesting views during the winter.

Grouped strategically along walks, they provide not only shelter but a more aesthetic means than snowfence for channelling wayward pedestrians onto sidewalks.

Trees massed in groves have more visual impact than individual specimens, particularly with the slow growth rates in the Edmonton climate. Shrubs and small trees should be incorporated into raised planters to protect them from snow removal equipment and heavy pedestrian movement.

Snow glare and intense light into interior spaces can be reduced effectively by the use of plants, which are visually preferable to tinted glass. Plants may also be used to screen service areas from view.

In leftover space between buildings or narrow corridor spaces where architectural scale is overpowering, a mass of canopy trees would act as a visual foil to the buildings and still allow free movement below.

The woodland along the river bank should be extended across Saskatchewan Drive to the north end of the campus. Planting in some areas might be more formal, while others should have the quality of the natural forest. Open and closed areas would act as a foil to buildings in some places and provide views across the river valley in others.

Forested landscape within the campus would provide a study area for regenerated plants and animals on plateau land. It would also reduce potential erosion of the crest of the river bank and decrease the problem of wind produced between the buildings and the existing tree line.

## CLIMATE

Design of outdoor spaces to counteract undesirable climate conditions is a fundamental consideration of the plan. Open spaces generally should be enclosed by buildings or trees, and large open spaces, such as track and field facilities, should have shelter belts of coniferous trees to protect them from prevailing winds. Similarly, walks associated with large open areas should be sheltered by high shrubbery, trees, walls, or screens.

Dense planting, or walls or screens where planting is not appropriate, should be used to baffle venturi winds (the "wind tunnel effect") through building openings or restricted connecting spaces.

Because so much of the year is so cold in Edmonton, the sun is easily as important a climatic consideration as wind or snow. Sitting areas, useful in the early spring, in late fall, and on calm winter days, should be oriented

towards the sun and baffled against driving snow. Interior dining areas, cafeterias, and lounges should face south where they can be exposed to the sun and open onto sunny outdoor areas.

The plan advises the use of radiant heating elements in gathering places or pedestrian connections under buildings to give momentary warmth along an outdoor route. Bus drop-off areas need heated shelters, which should be incorporated into buildings and make connections with interior pedestrian streets.

Tropical plants grown along interior pedestrian streets would provide contrast and relief from the bleak winter environment.

## PEDESTRIAN CIRCULATION

Pedestrian circulation provides the framework that links movement, activities, and places together into a comprehensive system. It is a consideration necessary to the development of a rational landscape plan.

The planners propose a system of major and minor pedestrian linkages, each with its own identity, function, and character.

A primary system of three routes will form the major spines of the campus, making connections with the interior pedestrian streets. One route is the old residence walk along the west side of the central quad, which makes a direct connection with the wooded river valley. The second route will be the treed north-south promenade proposed along 112 Street, past Students' Union Housing to the river valley. The third route is the structured urban street along 89 Avenue.

A secondary system of major routes will make connections to all other important destinations on campus and will accommodate the predominantly east-west and diagonal movement patterns.

A minor system of routes that crisscross through the campus will provide essential shortcuts and alternatives from one place to another.

All major walks are intended to provide pedestrians and cyclists the option of moving through the campus without going inside.

Gathering places will be located at intersections of routes, transportation stops, and bus drop-off points, and at major connections to the interior pedestrian streets. These are places where the greatest activity is likely to occur. They should be orientation points for visitors and others, where information and directions to other parts of the campus may be found, where displays, exhibitions, and informal concerts may be held, where there should be bicycle stands and communal activities.

Walks that bear heavy traffic between buildings at peak periods between classes should be wide enough to take six to eight people abreast. Minor walks should be able to take three or four people abreast. Spaces that must





*The needs of all kinds of people have been taken into consideration in the landscape plan, including persistent wintertime cyclists.*

accommodate major movement across them in many directions, such as the south end of the central quad, should be considered paved courts including planting rather than a series of crisscrossing walks.

Pedestrian movement takes the line of least resistance. Paths should respond to these desire lines as much as possible, and small gathering spaces should be provided at the entrances to buildings.

A combination of shallow ramps and steps is required to accommodate cyclists and paraplegics as well as emergency vehicles. Where only steps are possible, they should be heated to keep them clear of ice and snow.

#### VEHICLES, EMERGENCIES, AND SERVICE COURTS

The landscape plan has based its proposals for vehicular circulation on existing University policies. 87 Avenue will remain open to through traffic. 89 Avenue will be part of a one-way loop north on 114 Street, east on 89 Avenue, and south on 112 Street, one of three major entrances to the campus.

A second vehicle entrance will be 90 Avenue, leading to a future parking and drop-off area. There will also be an entrance looping from 116 Street along 89 Avenue and north on 115 Street, connecting to 116 Street again north of Windsor Car Park.

It is proposed that Saskatchewan Drive ultimately be closed within the limits of the campus, since traffic under Students' Union Housing will serve only local parking and service points. Other existing streets on the campus will also be closed.

Surface parking for service or private vehicles for delivery or pick-up should be provided in service courts. Parking for the handicapped would be located adjacent to buildings and incorporated into service courts or access roads.

Service courts are proposed as a cul-de-sac road system off main vehicle routes. These would act as loading and turn-around points, possibly serving a group of buildings from one court. In the future, service outlets and garbage storage will be incorporated into new buildings so as to be out of sight, especially

where there is important pedestrian circulation.

When service roads and pedestrian routes must coincide, they are considered pedestrian routes first, with allowance for service traffic. At present all service vehicles coming on campus have access to all buildings, creating unnecessary congestion. A central receiving depot with lighter vehicles to service individual buildings during slack periods, the planners suggest, might relieve the problem.

Routes for emergency vehicles will follow roads, service roads, and pedestrian walks, and will be located as close as possible to hydrants. Walks used for emergency vehicles should be ramped where there are changes of level, and all routes should be looped rather than dead-end.

Minimizing vehicle access to the campus and organizing and reducing the numbers of service roads and loading zones are basic to this plan, which has been designed to give people and aesthetics precedence over automobiles.

## NOTICES

#### MCST AT COMPUTING SERVICES

Computing Services has an IBM magnetic card selectric typewriter (MCST) in their general office for a trial period.

This machine is an electric typewriter which is capable of storing, on a magnetic card, what a typist types on the keyboard. The typist can then play the information back and correct any mistakes. A final copy can be made with any size margins by adjusting the margin settings before playing back the material. The machine can also be connected to a computer and used like a terminal. Information can be sent to the computer through the keyboard or from the magnetic card.

Persons interested in the MCST should contact MS. F. CRUDEN, 261 General Services Building, telephone 432-3975.

#### RESEARCH GRANT APPLICATIONS INVITED

The Boreal Institute for Northern Studies invites applications for 1973 research grants from University staff, graduate students, or from other professionally qualified persons with northern research interests.

One of the purposes of the Boreal Institute is to support research in the North in any recognized scientific discipline.

Application forms may be obtained from the various faculties or departments, or directly from the office of the Director of the Boreal Institute, Room CW 401 Biological Sciences Building.

Applications must be in the hands of the Institute no later than January 15, 1973.

#### CANADIAN PLAYS WANTED

Theatre 3 is looking for scripts to be produced next season, and playwrights with material they wish to be considered should submit it as soon as possible to BEN TARVER, Department of Drama, Corbett Hall, or to Theatre 3's office at 709—9990 Jasper Avenue.

Plays may be either one act or full-length; the only stipulation is that they be Canadian.

#### 'MESSIAH' TO BE PERFORMED

The Richard Eaton Singers will present a performance of Handel's *Messiah* on Thursday and Friday, December 14 and 15 at 8 p.m., in All Saints' Cathedral, 10035 103 Street. DAVID STOCKER is guest conductor; BRODERYCK OLSON, concert master; ALEXANDRA MUNN, harpsichordist. The soloists are: ELSIE ACHUFF, soprano; BETTY BOWEN-WING, mezzo-soprano; NIGEL LEMON, tenor; GLYN WILLIAMS, baritone.

Admission is \$3, students and senior citizens half-price. Tickets are available at the Department of Music and from members of the Richard Eaton Singers.

## THIS WEEK AND NEXT

*Listings must reach the Editor by 9 a.m. the Friday prior to publication. Written notification is preferred. Compiled by NORMA GUTTERIDGE, 432-4991.*

### 30 NOVEMBER, THURSDAY

#### Senate Meeting Highlights

8:30 p.m. *And 1 December, Friday at 12:30 p.m.* Coverage of public submissions to the Senate. Channel 11.

### 1 DECEMBER, FRIDAY

#### Faculty Club

*Downstairs.* TGIF—Happy Hanukkah. Menu by MRS. WEINLOS, \$3.

#### Student Cinema

6:30 and 9 p.m. *Husbands.* John Cassavettes, Peter Falk, and Ben Gazzaro in a comedy concerning three married men who go on a week-long bash to Europe following the death of a close friend. SUB Theatre. Admission: 50 cents in advance, \$1 at the door.

#### MEETA Series on English Literature

7:30 p.m. R. J. GRANT, Assistant Professor of English, talks about the Anglo-Saxon ship burial of the early 7th century at Sutton Hoo in England. Channel 11.

#### Cello Concert

8:30 p.m. The University of Alberta Cello Ensemble directed by CLAUDE KENNESON, Associate Professor of Music. Program includes works by Couperin, Valentini,

Sammartini, Grieg, Albéniz, Fauré, Popper, and Moór. Convocation Hall. Admission free.

#### World Adventure Tours

8:30 p.m. *Russia*, with Dick Reddy. Jubilee Auditorium. Tickets from Celebrity Box Office, 422-4801.

#### Basketball

8:30 p.m. *And 2 December, Saturday*. Golden Bears vs. the University of British Columbia. Main Gymnasium.

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### 2 DECEMBER, SATURDAY

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#### Volleyball

9 a.m. Golden Bears and Pandas. The University of Alberta Invitational. Main Gymnasium.

#### Saturday Forum

10 a.m. "A social scientist examines faith and culture: the New Guinea experience" by GEORGE KUPFER, Acting Associate Chairman of Sociology. Henry Marshall Tory Building, Room 14-6.

#### Faculty Club

*Upstairs*. Regular dinner menu served between 6 and 10 p.m. Dancing 9 p.m. until midnight. (Casual dining in the Saskatchewan Room has been cancelled until January.)

#### India Students' Association

7:30 p.m. Classic Hindi-language movie *Reshma Aur Shera* depicting the cultural style of unsophisticated villagers of India. Henry Marshall Tory Building, Room TL-11.

#### Edmonton Symphony

8:30 p.m. *And 3 December, Sunday, at 2:30 p.m.* The orchestra will feature the winner or winners of a "first ever" competition held among the most talented of Alberta's rising young performers. Sponsored jointly by the Department of Culture, Youth, and Recreation and the Edmonton Symphony Society. LAWRENCE LEONARD conducts. Suite No. 1 in C, Bach; Finalists' works to be announced; Symphony No. 6 in C, Schubert. Jubilee Auditorium.

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### 3 DECEMBER, SUNDAY

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#### Annual Christmas Concert

3:30 p.m. The University of Alberta Concert Band conducted by JOHN ILTIS, Associate Professor of Music. Students' Union Theatre. Tickets from Band members and at the door, adults \$1.50, children 75 cents.

#### Student Cinema

6:30 and 9 p.m. *Patton* with George C. Scott. Students' Union Theatre. Admission: students 50 cents in advance, public \$1 at the door.

#### National Film Theatre

7 p.m. The films of Louis Bunuel—*Viridiana* (Spain, 1961). Silvia Pinal, Francisco Rabal. Spanish with English sub-titles. Edmonton Art Gallery auditorium. Memberships at the door \$2. Admission \$1.

#### Ecumenical Forum

8:15 p.m. "Religion in a hedonistic society" (or "Christianity and the pleasure principle") by J. E. RUNIONS, Associate Professor of Psychiatry. Sponsored by The University of Alberta Chaplains' Association. Students' Union Building, Meditation Room.

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### 4 DECEMBER, MONDAY

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#### Edmonton Film Society

8 p.m. *Double Suicide at Amijima* (Japanese, 1968). Directed by Masahiro Shinoda. International Series. Students' Union Theatre.

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### 5 DECEMBER, TUESDAY

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#### Continuing Medical Education Course

7:30 p.m. "Identification and treatment of breast lumps" by ALAN MC CARTEN, Assistant Clinical Professor of Surgery. Clinical Sciences Building.

#### Liturgical Drama

8 p.m. *The Play of Herod*, a 12th century liturgical drama, adapted by NOAH GREENBURG. Directed by DALE MC INTOSH. Fully staged with voices and instruments, and with costumes by JOAN WOLFENDEN. All Saints' Cathedral, 10035 103 Street. Admission free.

#### Boreal Circle

8 p.m. "Health services to the Canadian North." Speakers are H. B. BRETT, Regional Director of Medical Services, Northern Region; A. P. ABBOTT, Director of Mental Health, Northern Region; O. SHAEFER, Medical Officer, Northern Medical Research Unit. All are from the federal Department of National Health and Welfare. Edmonton. Biological Sciences Building (Centre Wing) 4th floor cafeteria.

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### 6 DECEMBER, WEDNESDAY

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#### Faculty Club

8 p.m. Wednesday Night Dining Room Draw. Now over \$250.

#### Labor Relations Series Seminar

12 noon. "Sensitivity training: caveat emptor" by ROLF E. ROGERS, Associate Professor of Business Administration and Commerce. Henry Marshall Tory Building, Room 5-15.

#### MEETA Special Television Documentary

8 p.m. *Africa!* part II. A program designed to convey a comprehensive view of the lives, activities, and heritage of the people of Africa. Narrated by Gregory Peck. Channel 11.

#### Edmonton Chamber Music Society

8:30 p.m. The Rolston-Moore Duo—THOMAS ROLSTON, violin; ISOBEL MOORE, piano. Program includes Suite Italienne by Stravinsky; Sonata by William Walton; Sonata by Cesar Franck. Convocation Hall. Members only.

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### 7 DECEMBER, THURSDAY

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#### Library Seminar on Research Resources

12 noon. Repeat of two earlier seminars, "National bibliographies" by MRS. S. RANSOM,

Assistant Reference Librarian, and "Microform collections of early printed books" by MISS M. SALMOND, Micromaterials Librarian. Cameron Library, penthouse.

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### 8 DECEMBER, FRIDAY

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#### Faculty Club

*Downstairs*. TGIF—"Oyster Party." Feast on oysters prepared in various ways. \$3.25.

#### Basketball

6:30 p.m. *And 9 December, Saturday at 8:30 p.m.* Golden Bears and Pandas vs. the University of Saskatchewan. Main Gymnasium.

#### Student Cinema

6:30 and 9 p.m. *The Red Tent*. An exciting recreation of man's first attempt to fly over the North Pole and its disastrous results. Students' Union Theatre. Admission: students 50 cents in advance, general public \$1 at the door.

#### MEETA Series on English Literature

7:30 p.m. "Mr. Flower in Bloomtime." FRED RADFORD, Assistant Professor of English, talks about James Joyce's *Ulysses* and about the activities of Mr. Bloom and his wife, aspects of whose sad and comic lives reach far beyond their city of Dublin. Channel 11.

#### Piano Recital

8:30 p.m. Students from the studio of HELMUT BRAUSS, Associate Professor of Music, will give a recital of music for two pianos. Program includes works by Bach, Saint-Saens, Stravinsky, and Shostakovich. Convocation Hall. Admission free.

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### 9 DECEMBER, SATURDAY

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#### Wrestling

2 p.m. vs. The University of Calgary. Main Gymnasium.

#### Faculty Club

*Upstairs*. Regular dinner menu. Dining 6 to 10 p.m., dancing 9 p.m. until midnight.

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### 10 DECEMBER, SUNDAY

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#### Annual Christmas Concert

7:30 p.m. The Department of Music presents the St. Cecilia Orchestra conducted by MICHAEL BOWIE, the Concert Choir conducted by DAVID STOCKER, and the Symphonic Wind Ensemble conducted by JOHN ILTIS. All Saints' Cathedral, 10035 103 Street. Admission free.

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### EXHIBITIONS AND PLAYS

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#### University Art Gallery and Museum

4 to 22 December. "Huichol Yarn Paintings" and a ceramics show (local potters—Studio West).

5 to 19 December. "Women and Women's Work" the photographic work of DOROTHEA LANGE.

#### Edmonton Art Gallery

Until 5 December. "Arts and Crafts of Pakistan."

**Until 10 December. "Appel's Appels."**  
Karel Appel is one of the leading European painters of the post-war period.

**Studio Theatre**  
8:30 p.m. 7 December, Thursday, and nightly (except Sunday) until 16 December, Saturday, matinees each Saturday at 2:30 p.m. PETER USTINOV's *The Unknown Soldier and His Wife*. Directed by BERNARD ENGEL, Associate Professor of Drama; choreography by WALLY SEIBERT, Assistant Professor of Drama; sets and costumes by LARRY KADLEC, Assistant Professor of Drama. Studio Theatre. Tickets at Box Office, Corbett Hall, \$2.50, students admitted free.

**Walterdale Theatre**  
**Until 25 November. The Effect of Gamma Rays on Man-in-the-Moon Marigolds** by PAUL ZINDEL, directed by KEN GRAHAM. Tickets from Celebrity Box Office, 3rd floor, The Bay, telephone 422-4801.

**Theatre Francais d'Edmonton**  
8:30 p.m. 1, 2 December. *La Cantatrice Chauve*, by Ionesco and *Le Chemin de Lacroix* (French-Canadian play), by Jean Barbeau. Collège Saint-Jean Auditorium, 8406 91 Street. Admission: adults \$2, students \$1.50. Tickets available at the door.

## POSITIONS VACANT

### NON-ACADEMIC STAFF

Applicants are sought for the following positions. The Personnel Office (Room 121, Administration Building) will provide further details to interested persons, who are asked not to approach the departments directly.

Clerk Steno I (\$316-\$403)—Surgery  
Clerk Typist II (\$331-\$423)—Faculty of Arts

# FOLIO

### THE UNIVERSITY OF ALBERTA, EDMONTON, ALBERTA

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William Samis, Editor

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Biology Technologist I (\$566-\$722)—Genetics  
Biochemical Technician (\$489-\$624)—Pathology  
Audio and Video Technician I (\$513-\$655)—Industrial and Vocational Education  
Research Technician (open)—Microbiology  
Draftsman III (\$566-\$722)—Campus Development  
Vacuum Pump Maintenance Technician (\$513-\$655)—Chemistry  
Civil Engineering Technician I or II (\$489-\$722)—Civil Engineering  
Internal Audit Assistant (\$566-\$722)—Comptroller's Office  
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Building Superintendent (\$722-\$922)—Physical Plant

## PERSONAL NOTICES

Notices must be received by 9 a.m. the Friday prior to publication. Rate is seven cents per word for the first insertion and five cents per word for subsequent insertions ordered with the first. Minimum charge is \$1. To avoid billing, notices MUST BE PAID IN ADVANCE. For assistance or order blanks, telephone Rita Swift, 432-4991.

### Accommodation available

FOR THOSE who like to get away on the weekends; four-bedroom townhouse for sale in St. Albert with year-round outdoor maintenance. 1½ baths, finished family room 11' x 22'9"; ravine view from large kitchen with coppertone dishwasher, refrigerator, stove. Near schools. Immaculate throughout. Phone Don Smyth 455-9191, or evenings 455-9705.

FOR RENT—Belgravia. Three bedrooms, rumpus room, garage. \$240. From January 1, 1973. 436-4087.

FOR SALE—11231 76 Avenue, \$24,500. Ideal four-bedroom semi-bungalow, basement revenue. Call Mrs. Swelin, Royal Trust, Real Estate Division, 435-4869, or home 436-5168.

FOR SALE—By owner. Four-bedroom split level, quiet location in Duggan, close to schools, buses and Southgate. Family room with fireplace. Dishwasher, self-cleaning oven, three sets of plumbing. Fenced, landscaped, double garage, paved lane. Cash to outstanding \$20,500 8½ percent mortgage. No agents. 432-3955.

FOR SUBLET—Large, sunny, one-bedroom apartment, 99 Avenue and 114 Street. Stunning view of river valley and University. Furnished in Danish modern; swimming pool. Can walk to University via High Level Bridge. December 15 to late summer. Professor Gillam, 432-3943 or 488-7591.

FOR RENT—Luxury three-bedroom apartment. Meadowlark. Reduction in rent for this beautiful suite available in return for simple maintenance of this new six-suite block. 433-8916.

FOR RENT—Unfurnished, two-bedroom bungalow. Garneau. 433-1565.

FOR RENT—Luxurious living. Two-bedroom condominium in Hyde Park. \$400 a month includes new washer, dryer, fridge, stove, dishwasher, air conditioning, three sauna baths, indoor pool, heated garage, doorman, free utilities. 5-10 minutes from campus. Available January 1. Call owner, R. Stott, 424-5104, 482-6724.

FOR SALE—9831 87 Avenue. Convenient to University and downtown, this exceptional two-storey, three-bedroom older home has been newly-decorated inside

and out. House has new furnace and wiring, open fireplace and, garage. excellent financing available and trades considered. For other details call Fred Hart, FRI, 488-8111; evenings, 454-2822. W. L. Wilkin Limited—Realtors.

FOR RENT—Large, deluxe, two-bedroom suite, balconies, intercom, self-cleaning oven, two-door fridge; spacious grounds, view. Prestige location, 12415 Lansdowne Drive. Free laundry and parking. 435-2223.

### Automobiles and accessories

FOR SALE—1972 camper, Fargo 200, Tradesman Van; fully equipped, sleeps four. Low mileage. Excellent condition. 435-7703.

FOR SALE—Volkswagen, 1966, 51,000 miles, gas heater, radio; moving to Europe. 433-5330.

FOR SALE—Ford Custom 1967 4-door, V-8, automatic, \$875. 489-4742.

### Goods and services

VETERAN—47, with science degree. Experienced in selection, training, and supervising personnel; six years insurance sales and group consultant; 16 years technical sales and service; requires position in personnel, administration, or purchasing. Phone 434-0531.

TRAVEL ARRANGEMENTS required from Elmwood-Meadowlark area to University. Work hours: 8:30 a.m. to 4:30 p.m., Monday to Friday. Share expenses. Phone 432-3580. Evenings 489-8629, Laurel.

FOR SALE—Lounge suite, kitchen set. double bed, television with stand. Moving to Europe. 433-5330.

FOR SALE—Large buckskin coat, with liner; good condition. \$65. D. A. Mikalson, 436-5608. 436-3640.

HOMES WANTED—For two cats (temporary until August or permanent); family pets, spayed, sabbatical orphans. 436-0727.

FOR SALE—Samoyed puppies. Born October 29. Call evenings 436-5325.

REQUIRED—Part-time office clerk with fast typing necessary. Three hours per day, December 18 to April 30, 1973. Call 432-1175, 1 to 4 p.m.

WANTED TO RENT—Garage space to park one automobile in Petrolia or vicinity, or University area. Call 434-8991 after 6 p.m.

FOR SALE—Old books: *Histoire de France*, Anquetil, 1847, five volumes; *Aesop's Fables*, Croxall, 1821; *Tale of a Tub*, Swift, 1743, all illustrated engravings, many colored. 436-2917.

FOR SALE—One CP Air ticket, Edmonton/Amsterdam. Valid until December 22. Phone 489-6437 after 5 p.m.

FOR SALE—Rosenthal china, 50 years old. Complete set for 12. 433-4319.

FOR SALE—Sturdy wooden school-type desk with seat and drawer attached, for older child. \$8. 436-1410.

FOR SALE—Parker Hale 30.06, Monte Carlo stock, 4x32 Tasco scope, shoulder strap. Excellent condition. \$125. 436-2214 after 6 p.m.

GRAND OPENING—Economy Mill-End Fabrics Ltd., 12108 90 Street, Phone 479-1177. Featuring skirt length pieces of stretch polyester at \$1.25 each piece. Also velvet and cut velvet upholstery, \$7 yard.

FOR SALE—Teak desk, two drawers, \$75. 433-9004.

CHRISTMAS IS COMING!—Shop at the friendly and oldest market: "The Edmonton Flea Market." Open each weekend (Saturday 10-6; Sunday 1-6), corner Jasper and 109 Street. Crafts, gift items, furniture, antiques for sale. Phone 452-7660 to rent a stall.

SMALL HALL FOR RENT—Ideal for stags and parties up to 50 people. Kitchen, stove, fridge, tables, and chairs. Rent \$50 plus refundable deposit. Call 434-7791.

WANTED—Teak or walnut furniture. Also stereo, TV, portable dishwasher. 488-7591 or 432-3943.

REQUIRED—Laboratory demonstrators for Biology 299. Introductory Plant and Animal Physiology. Apply now, B217 Biological Sciences Building or phone 432-4360.